Title (en)

METHOD FOR DETERMINING CHARACTERISTICS OF SUPER-ABSORBENTS

Title (de)

VERFAHREN ZUR BESTIMMUNG VON KENNGRÖßEN VON SUPERABSORBERN

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE GRANDEURS CARACTÉRISTIQUES DE SUPERABSORBANTS

Publication

EP 3994444 A1 20220511 (DE)

Application

EP 20733648 A 20200624

Priority

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Abstract (en)

[origin: WO2021001221A1] In a method for measuring characteristics of super-absorbents, the absorption capacity of super-absorbents under pressure is determined, wherein the pressure applied to a sample of the super-absorbent is reduced in stages and the absorption capacity at the present pressure is correspondingly determined. Furthermore, the absorption capacity that rises following a pressure reduction is measured as a function of time, and the swell constant k or the characteristic swell time τ is calculated therefrom. Further characteristics of the super-absorbent are determined from the swell constant or characteristic swell time or the amount of the difference of the absorption capacity at two different pressures.

IPC 8 full level

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CPC (source: CN EP KR US)

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